

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060622\
 Data File : VD073487.D
 Acq On : 06 Jun 2022 21:14
 Operator : VA/SY
 Sample : N3225-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-06062022

Quant Time: Jun 07 01:14:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

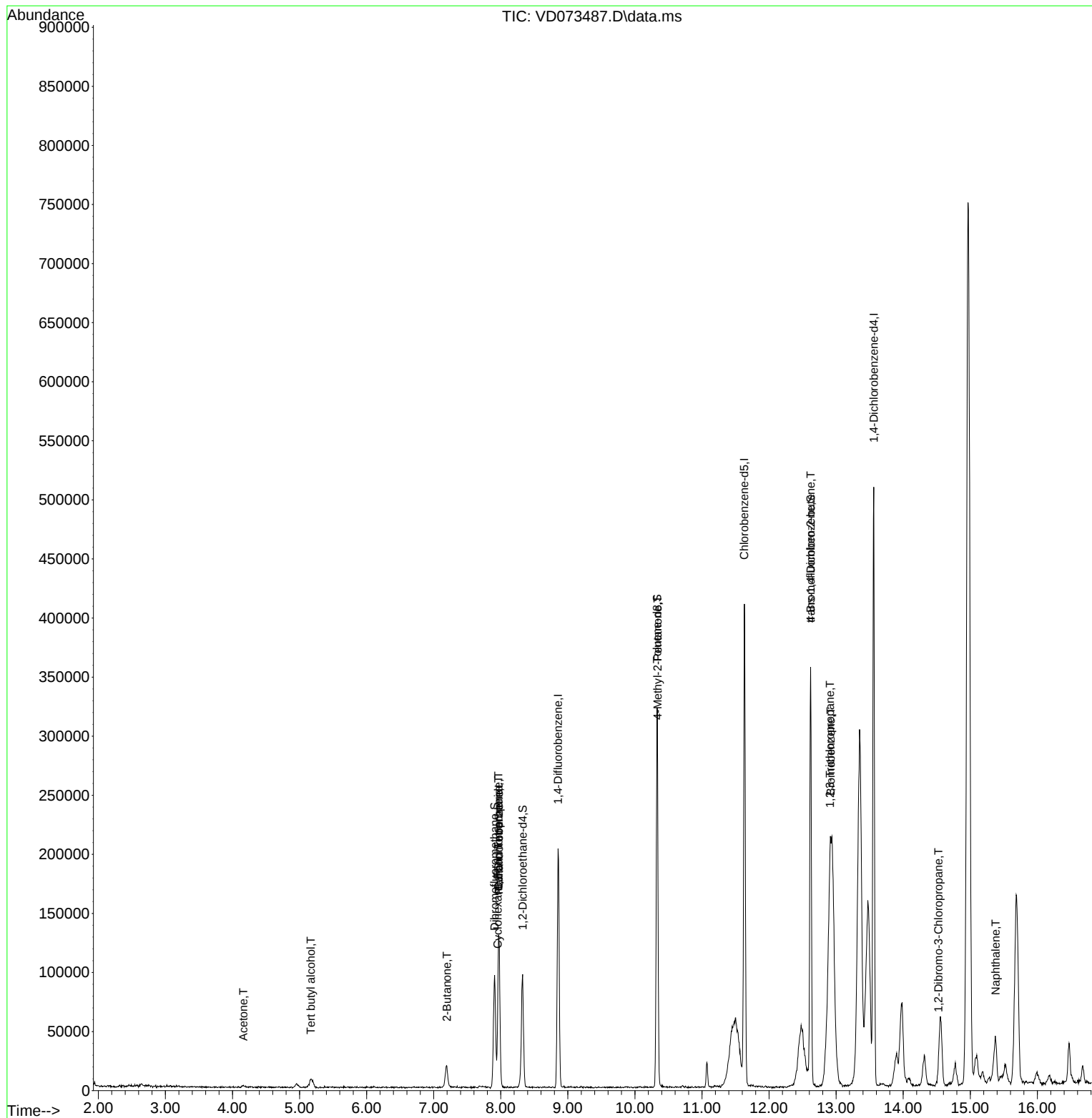
Internal Standards						
1) Pentafluorobenzene	7.973	168	96635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	173956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	233254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	138508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	74690	69.937	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.880%			
35) Dibromofluoromethane	7.908	113	66273	57.735	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.480%			
50) Toluene-d8	10.332	98	214988	50.808	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.620	95	119110	80.211	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 160.420%#			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	607	Below Cal	#	1
11) Tert butyl alcohol	5.167	59	6785	40.949	ug/l #	74
16) Acetone	4.162	43	2720	14.704	ug/l #	71
20) Methylene Chloride	4.950	84	2765	Below Cal	#	55
25) 2-Butanone	7.197	43	634	2.343	ug/l #	52
31) Cyclohexane	7.955	56	2290	1.227	ug/l #	35
36) 1,1-Dichloropropene	7.967	75	7684	4.451	ug/l #	54
38) Carbon Tetrachloride	7.967	117	9855	5.631	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	1012	1.546	ug/l #	1
76) 1,2,3-Trichloropropane	12.908	75	5921	4.357	ug/l #	100
77) Bromobenzene	12.920	156	309833	133.297	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	60126	106.213	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.526	75	635	2.277	ug/l #	6
95) Naphthalene	15.379	128	13359	6.280	ug/l #	90

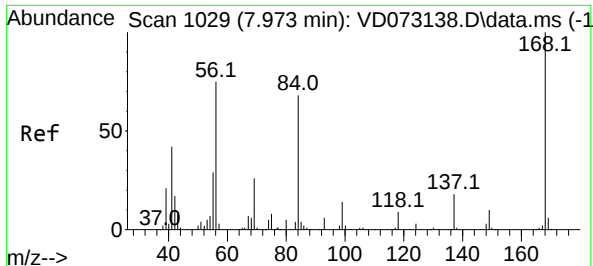
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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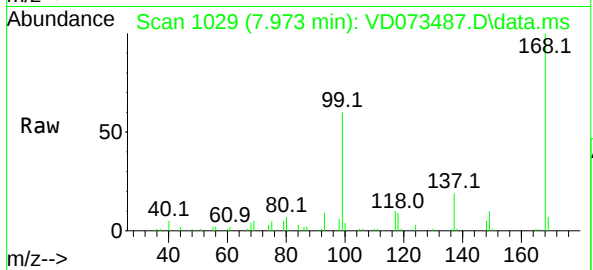
Quant Time: Jun 07 01:14:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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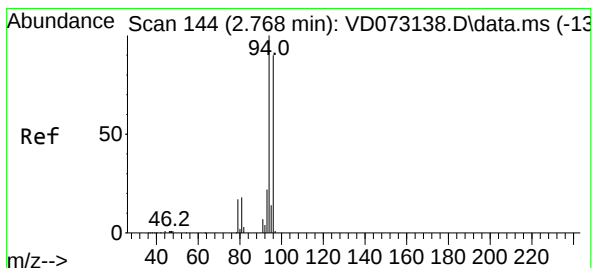
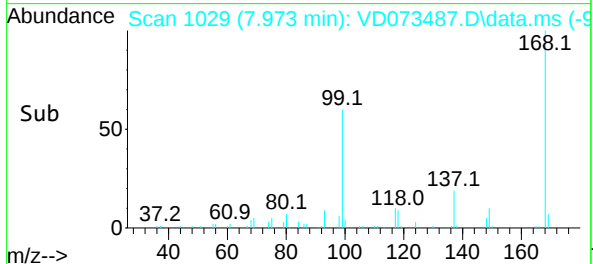
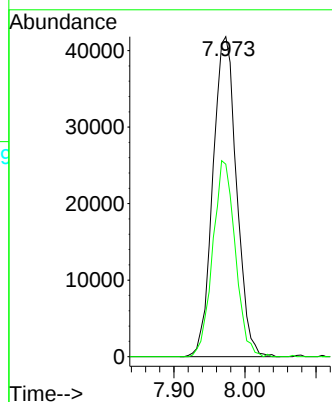


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Instrument :
MSVOA_D
ClientSampleId :
OK-01-06062022

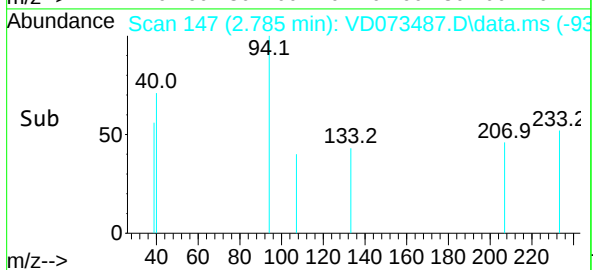
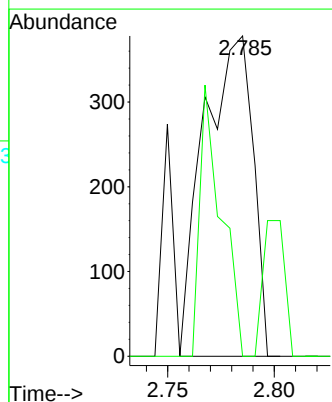
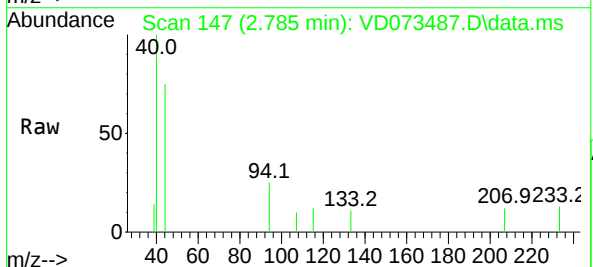


Tgt Ion:168 Resp: 96635
Ion Ratio Lower Upper
168 100
99 60.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Tgt Ion: 94 Resp: 607
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

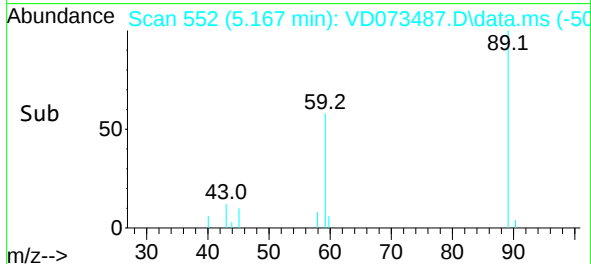
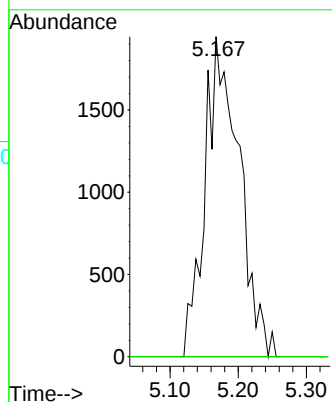
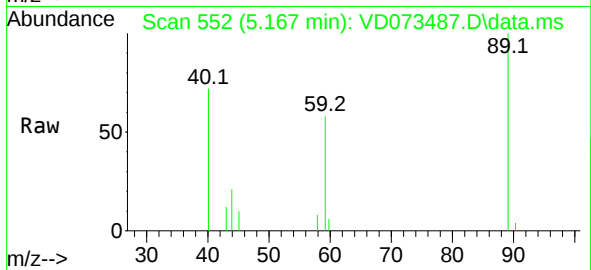




#11
Tert butyl alcohol
Concen: 40.949 ug/l
RT: 5.167 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

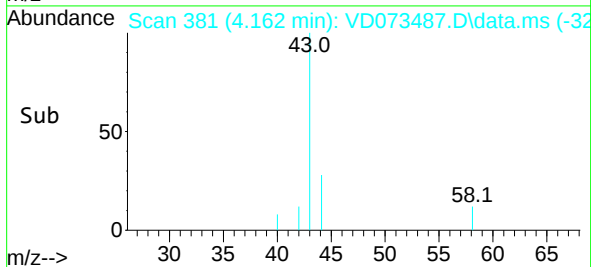
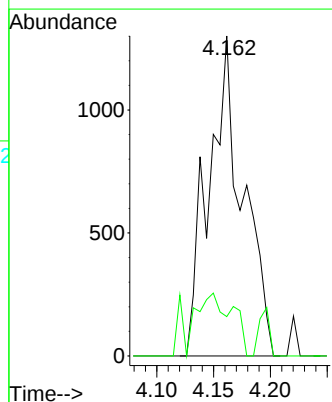
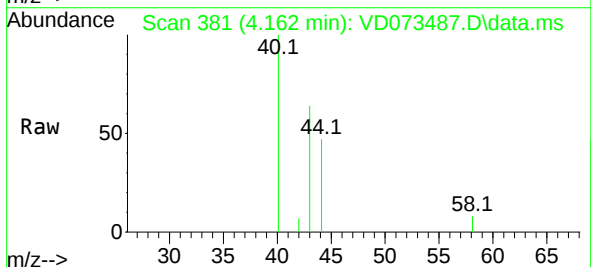
Instrument :
MSVOA_D
ClientSampleId :
OK-01-06062022

Tgt Ion: 59 Resp: 6785
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 14.704 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Tgt Ion: 43 Resp: 2720
Ion Ratio Lower Upper
43 100
58 12.3 22.1 33.1#

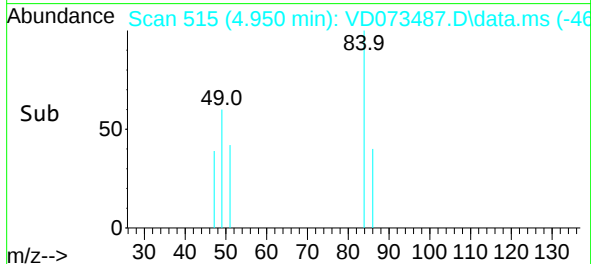
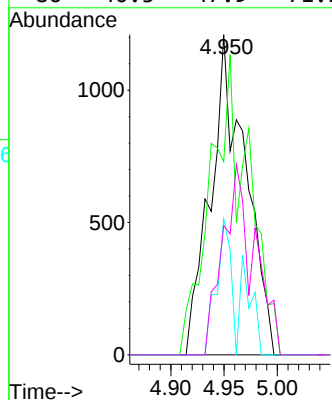
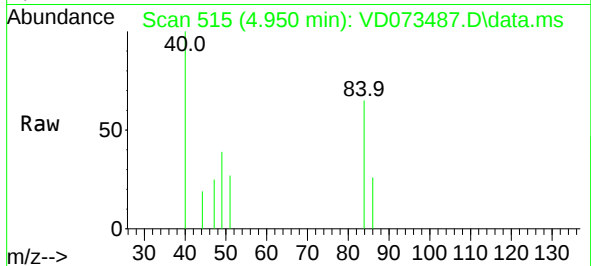




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

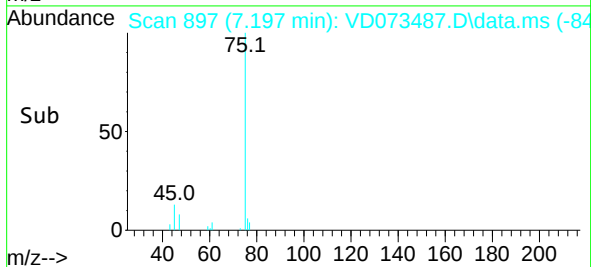
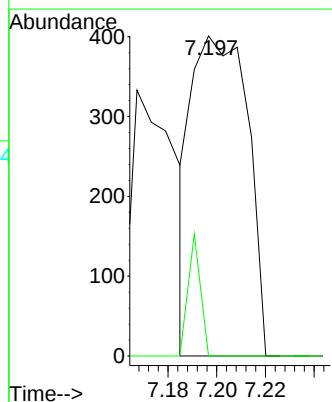
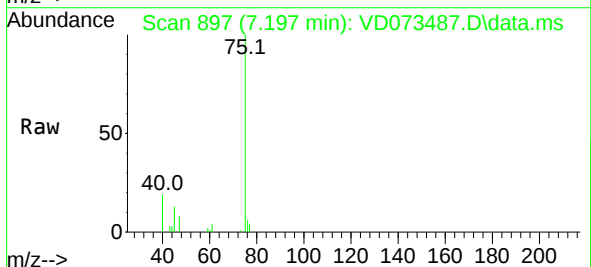
Instrument :
MSVOA_D
ClientSampleId :
OK-01-06062022

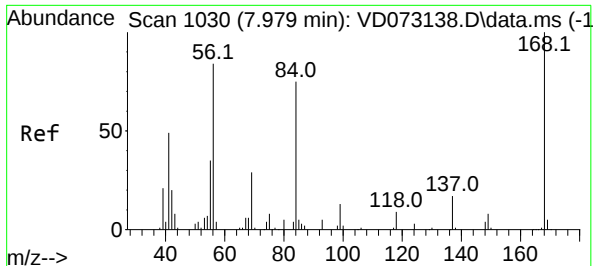
Tgt Ion: 84 Resp: 2765
Ion Ratio Lower Upper
84 100
49 60.3 112.8 169.2#
51 42.4 32.6 48.8
86 40.3 47.9 71.9#



#25
2-Butanone
Concen: 2.343 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.955 min Scan# 1026

Delta R.T. -0.024 min

Lab File: VD073487.D

Acq: 06 Jun 2022 21:14

Instrument :

MSVOA_D

ClientSampleId :

OK-01-06062022

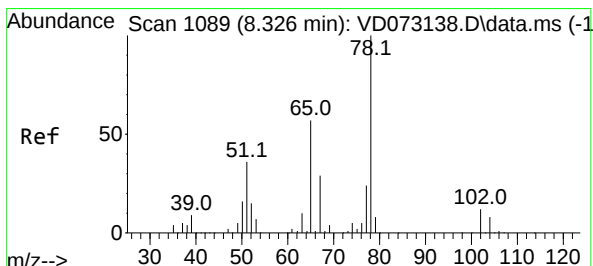
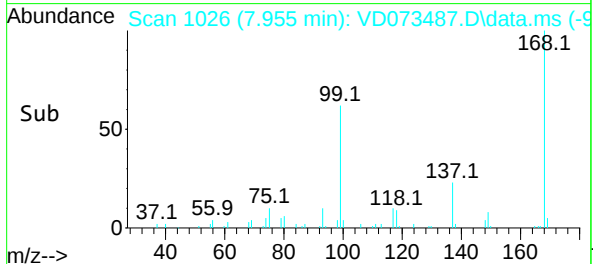
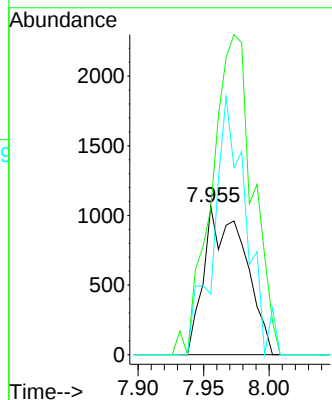
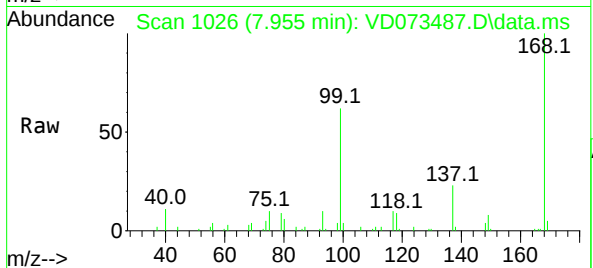
Tgt Ion: 56 Resp: 2290

Ion Ratio Lower Upper

56 100

69 98.3 25.4 38.2#

84 40.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 69.937 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073487.D

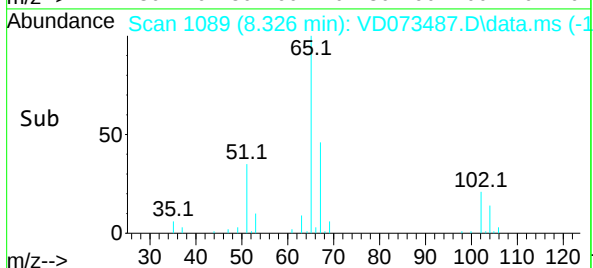
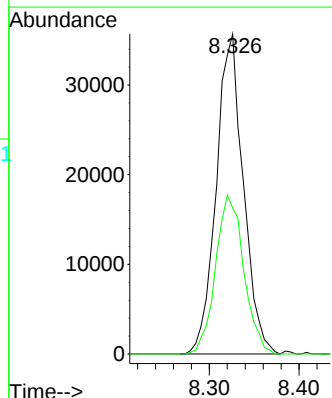
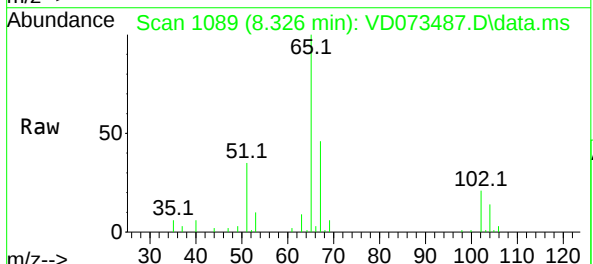
Acq: 06 Jun 2022 21:14

Tgt Ion: 65 Resp: 74690

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073487.D

Acq: 06 Jun 2022 21:14

Instrument :

MSVOA_D

ClientSampleId :

OK-01-06062022

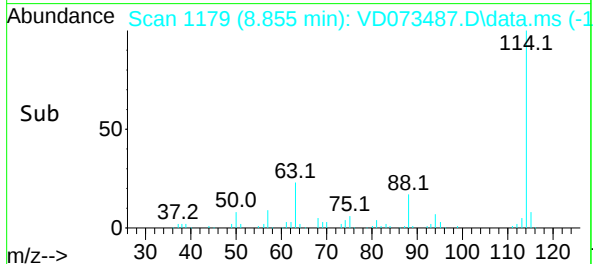
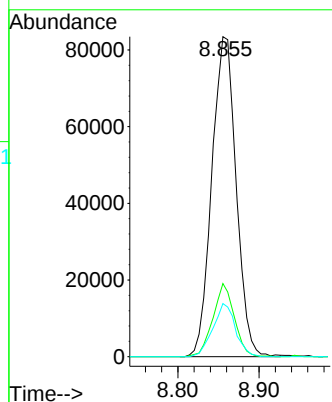
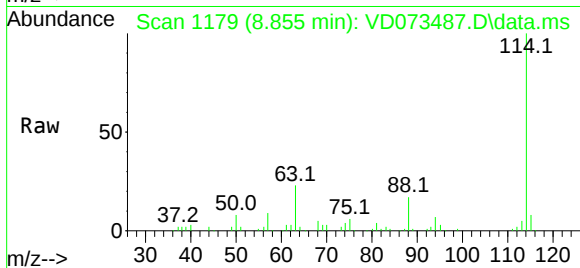
Tgt Ion:114 Resp: 173956

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.6

88 16.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 57.735 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073487.D

Acq: 06 Jun 2022 21:14

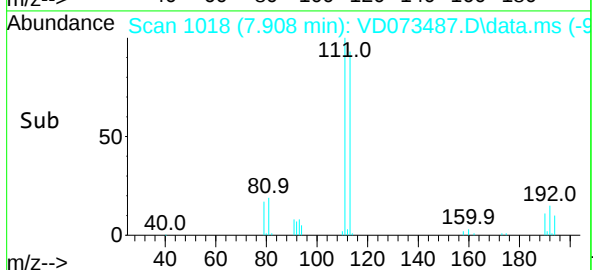
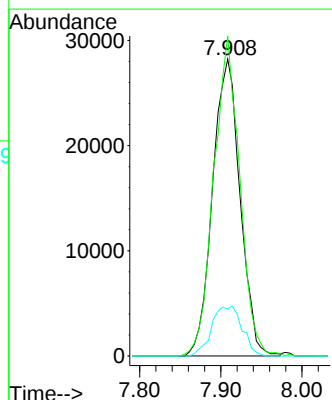
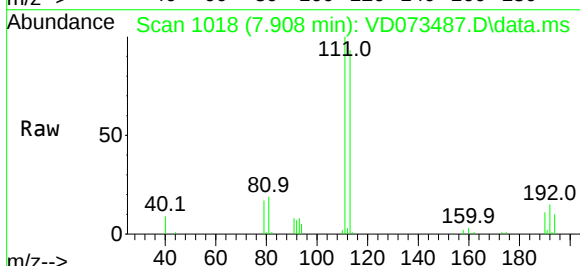
Tgt Ion:113 Resp: 66273

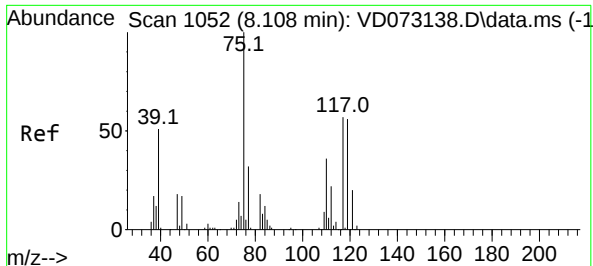
Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073487.D

Acq: 06 Jun 2022 21:14

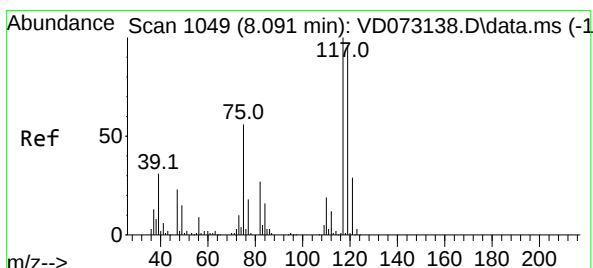
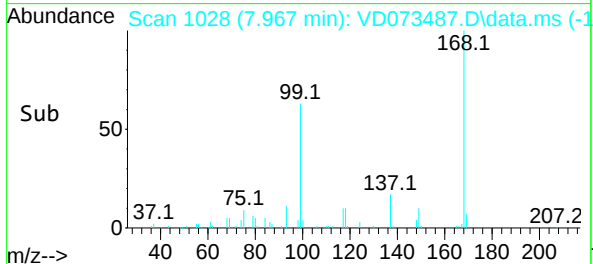
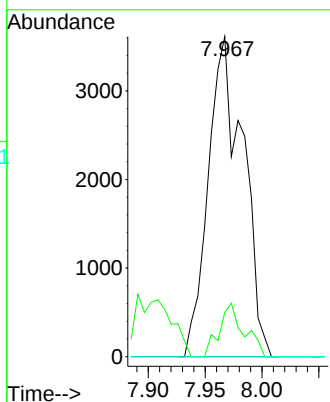
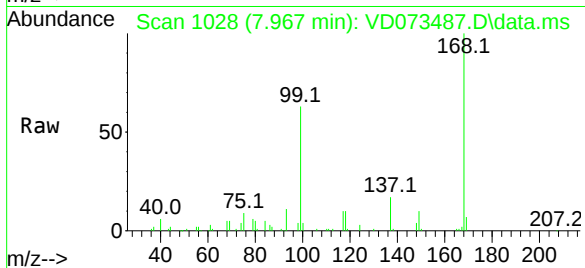
Instrument :

MSVOA_D

ClientSampleId :

OK-01-06062022

Tgt Ion:	75	Resp:	7684
Ion	Ratio	Lower	Upper
75	100		
110	11.8	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.631 ug/l

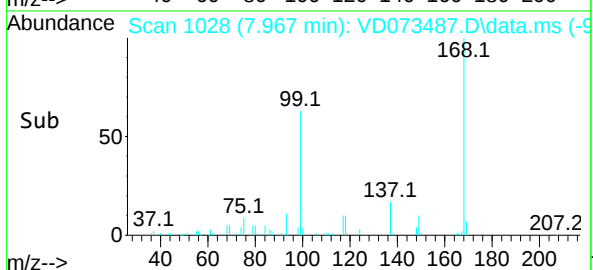
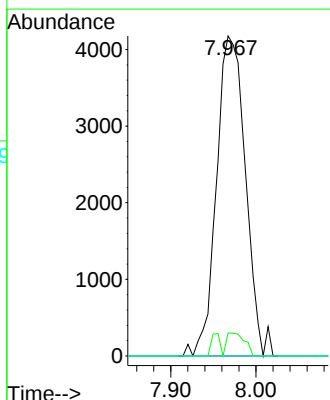
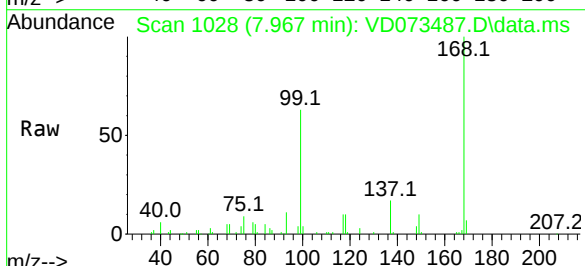
RT: 7.967 min Scan# 1028

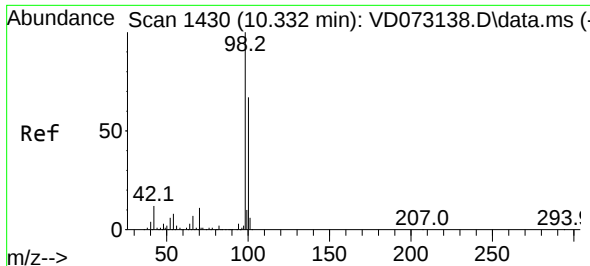
Delta R.T. -0.124 min

Lab File: VD073487.D

Acq: 06 Jun 2022 21:14

Tgt Ion:	117	Resp:	9855
Ion	Ratio	Lower	Upper
117	100		
119	7.2	75.8	113.6#
121	0.0	24.5	36.7#

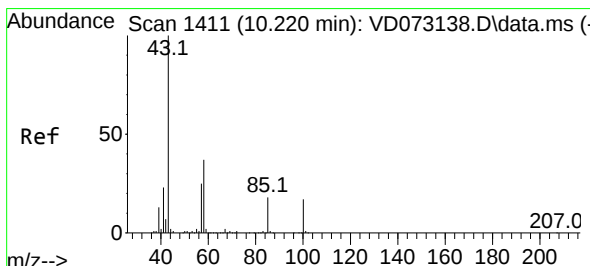
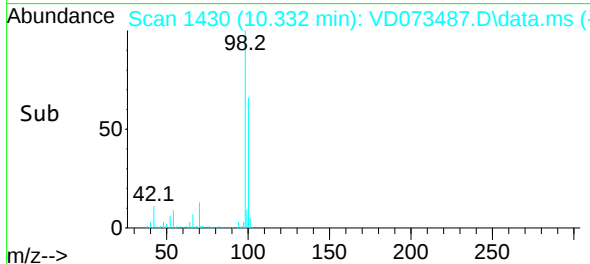
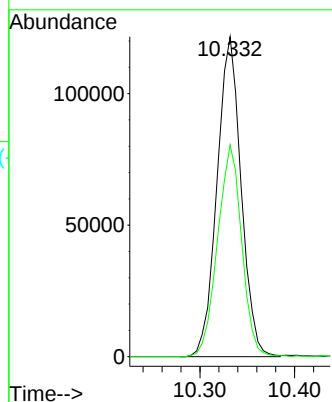
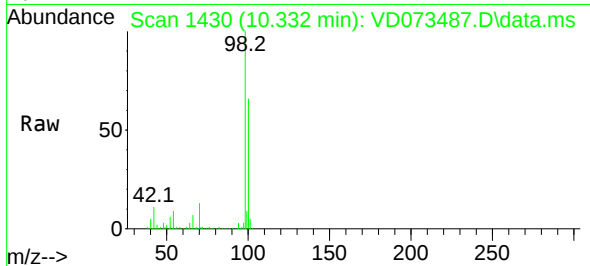




#50
Toluene-d8
Concen: 50.808 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

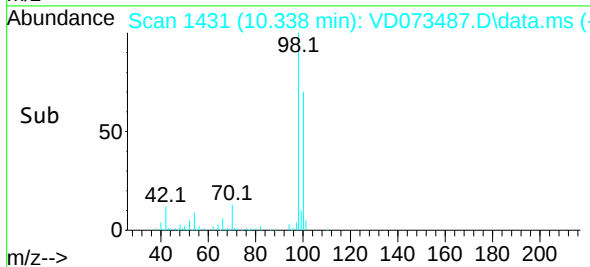
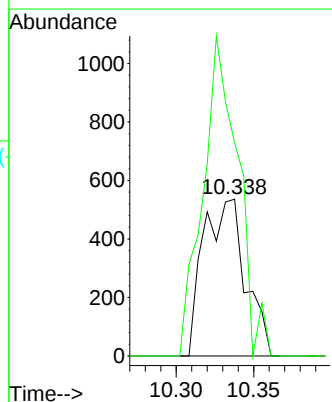
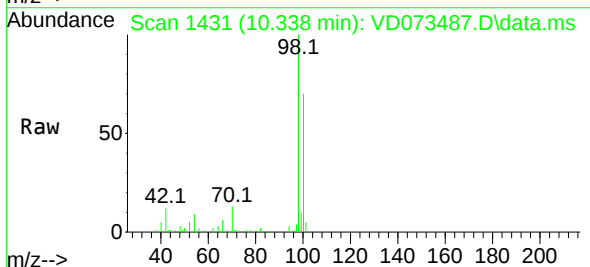
Instrument :
MSVOA_D
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OK-01-06062022

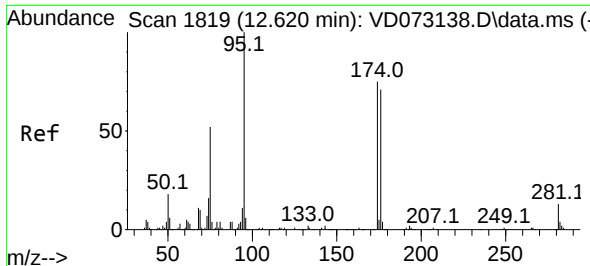
Tgt Ion: 98 Resp: 214988
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.546 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.118 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
58 170.1 28.6 43.0#

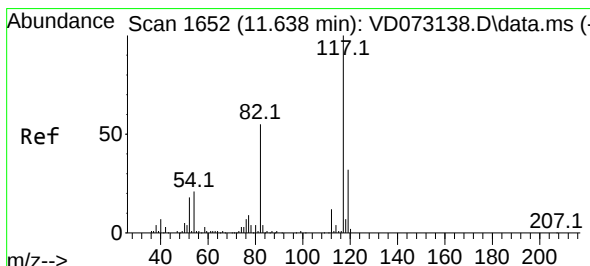
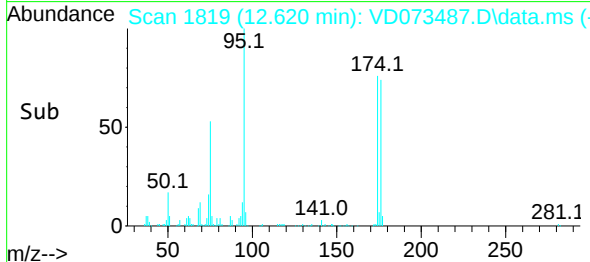
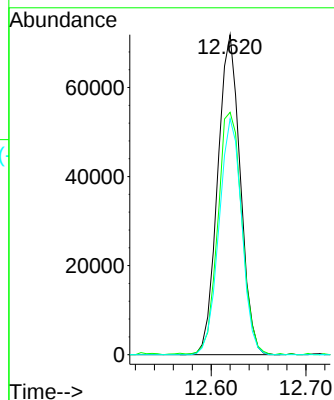
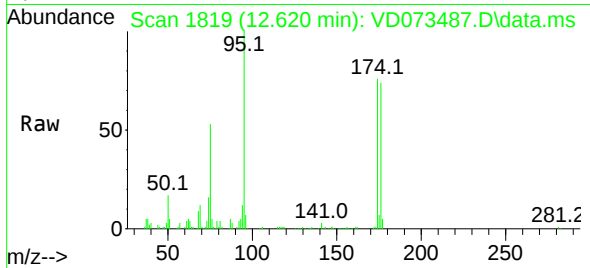




#62
4-Bromofluorobenzene
Concen: 80.211 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

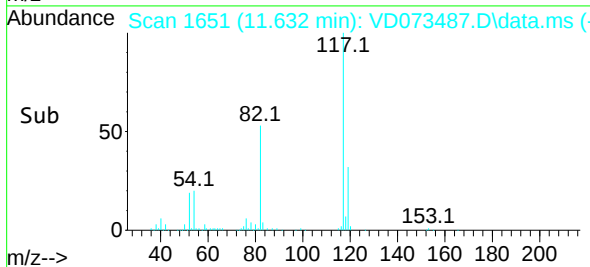
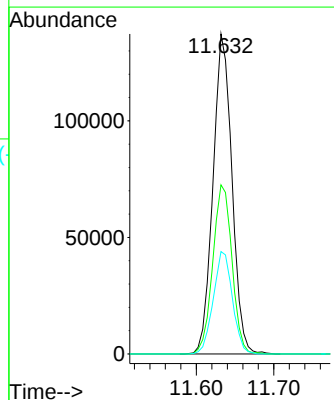
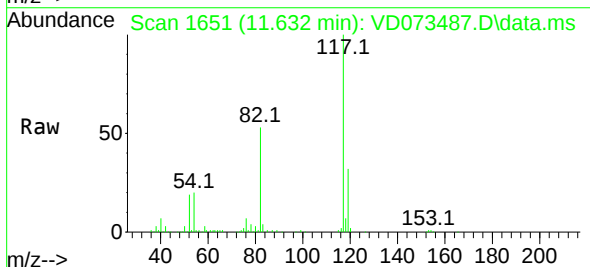
Instrument :
MSVOA_D
ClientSampleId :
OK-01-06062022

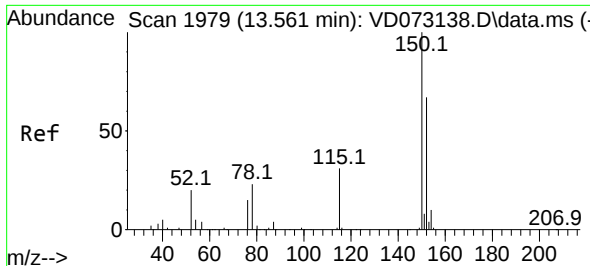
Tgt Ion: 95 Resp: 119110
Ion Ratio Lower Upper
95 100
174 80.8 0.0 152.8
176 73.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Tgt Ion: 117 Resp: 233254
Ion Ratio Lower Upper
117 100
82 52.8 45.3 67.9
119 32.0 26.6 40.0

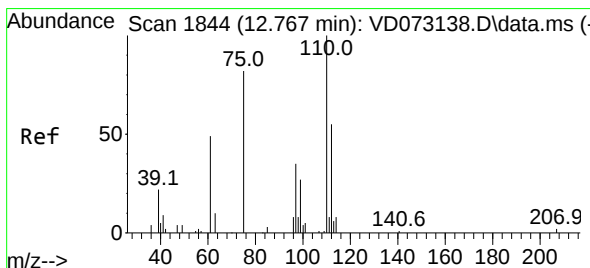
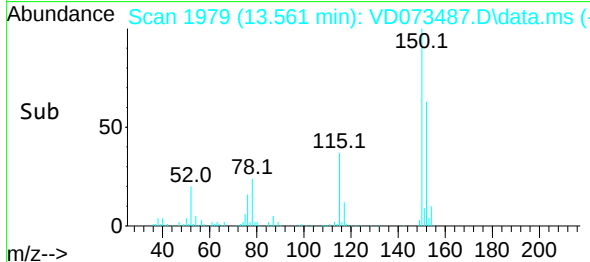
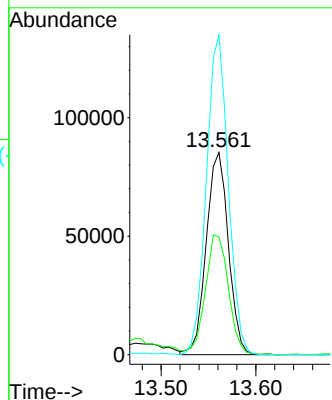
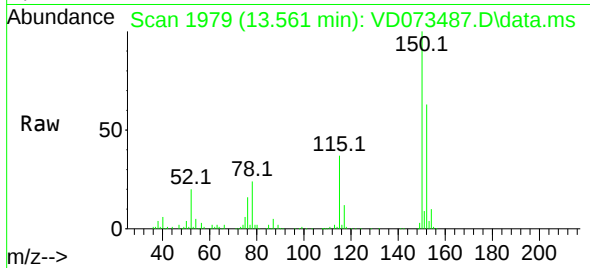




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

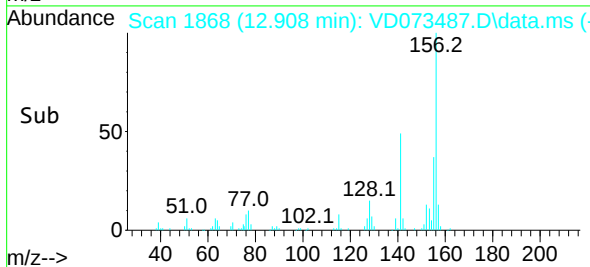
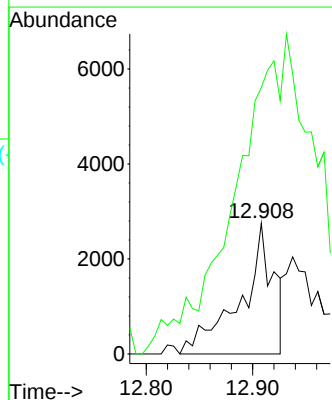
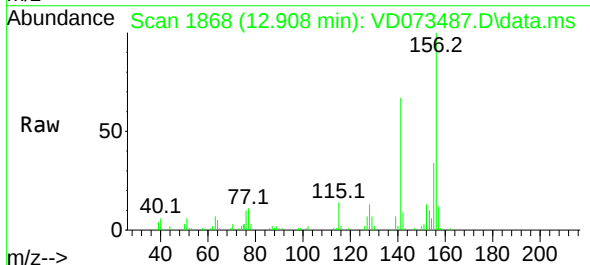
Instrument :
MSVOA_D
ClientSampleId :
OK-01-06062022

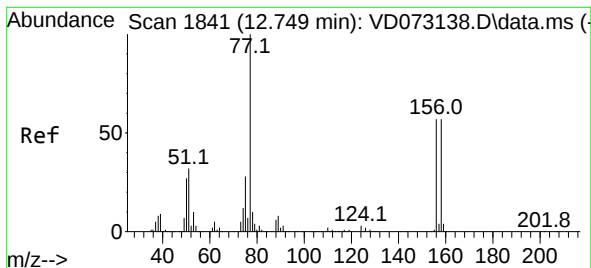
Tgt Ion:152 Resp: 138508
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.8
150 156.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 4.357 ug/l
RT: 12.908 min Scan# 1868
Delta R.T. 0.141 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Tgt Ion: 75 Resp: 5921
Ion Ratio Lower Upper
75 100
77 342.3 0.0 0.0#





#77

Bromobenzene

Concen: 133.297 ug/l

RT: 12.920 min Scan# 1819

Delta R.T. 0.171 min

Lab File: VD073487.D

Acq: 06 Jun 2022 21:14

Instrument :

MSVOA_D

ClientSampleId :

OK-01-06062022

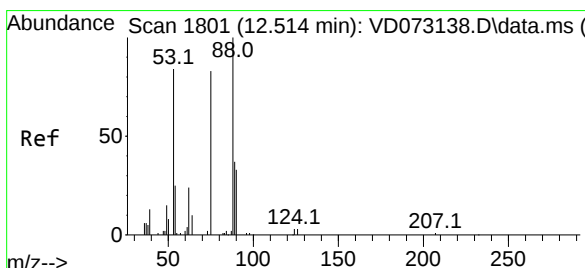
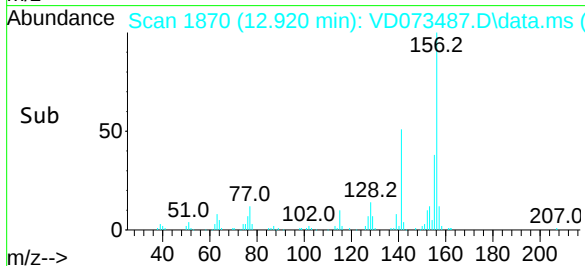
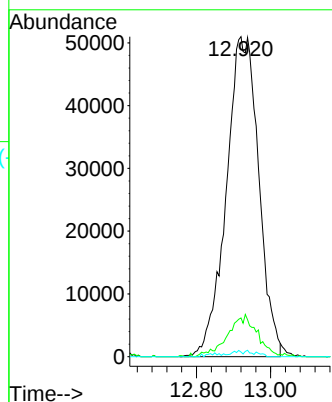
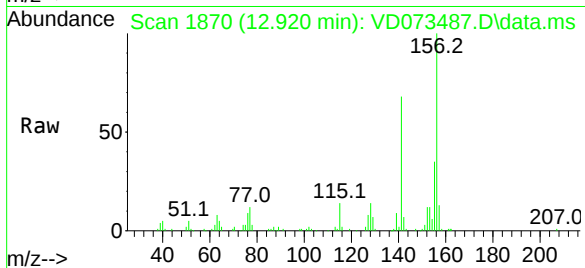
Tgt Ion:156 Resp: 309833

Ion Ratio Lower Upper

156 100

77 6.5 102.8 308.3#

158 0.3 48.7 146.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.213 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.106 min

Lab File: VD073487.D

Acq: 06 Jun 2022 21:14

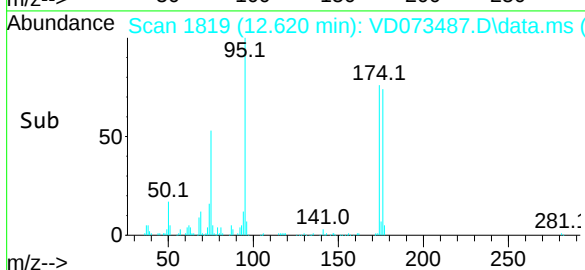
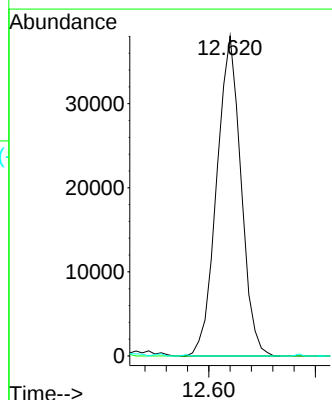
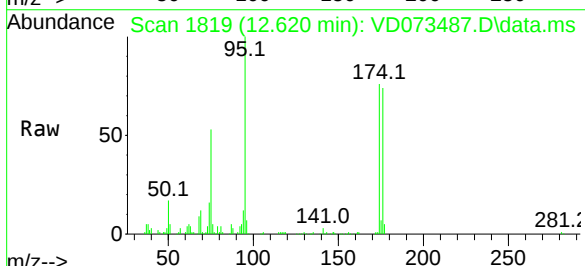
Tgt Ion: 75 Resp: 60126

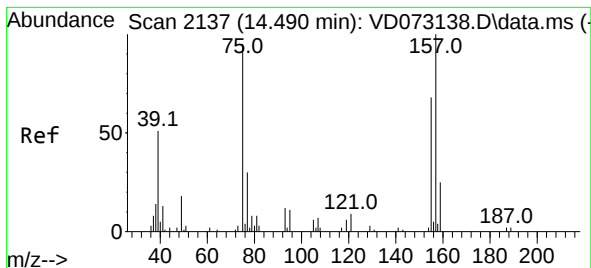
Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

89 0.0 33.9 50.9#

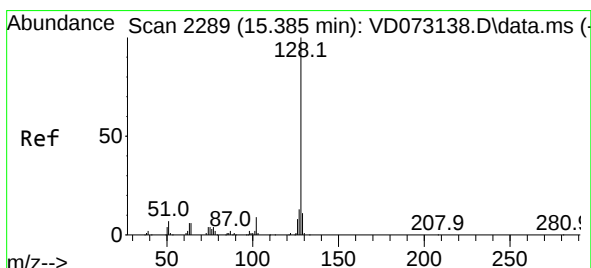
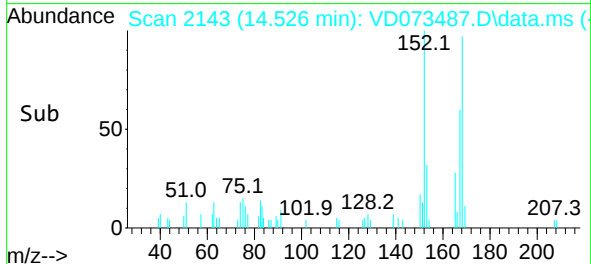
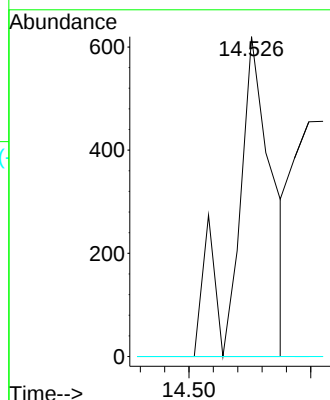
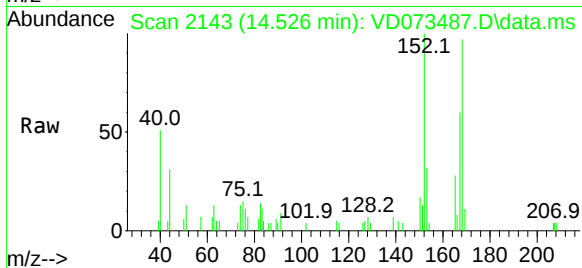




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.277 ug/l
RT: 14.526 min Scan# 2137
Delta R.T. 0.036 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Instrument :
MSVOA_D
ClientSampleId :
OK-01-06062022

Tgt Ion: 75 Resp: 635
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 6.280 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073487.D
Acq: 06 Jun 2022 21:14

Tgt Ion: 128 Resp: 13359
Ion Ratio Lower Upper
128 100
127 17.2 10.3 15.5#
129 13.9 8.4 12.6#

